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ABSTRACT

This directory contains the descriptions of a sample of approximately 150 summer programs offered to high school students by colleges and universities in various regions of the United States. Each entry provides: (1) a brief program description; (2) information regarding application procedures, costs, deadlines, and availability of financial assistance; and (3) the names and telephone numbers of contact people. The programs give migrant students an opportunity to experience college life while they develop their skills, interests, and talents, and to help them enroll in college. The directory is intended to encourage migrant students to take advantage of the many learning opportunities offered by colleges and universities in communities and states throughout the nation. The directory also includes a reprint of a list of program opportunities for "academically able" students, developed by the Center for Talented Youth at Johns Hopkins University. (TES)

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COLLEGE SUMMER PROGRAMS for High School Students

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RC 018809

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College Summer Programs for High School Students

For the great majority of migrant high school students, summer is a time to drop the books and pick up a pair of gloves, irrigation boots or a hoe. It is a time for many migrant students to assume additional responsibilities at home or a time to find a job to supplement the family income. Few migrant students take advantage of the many summer learning opportunities offered by college and universities in their community, state and throughout the nation.

This directory contains a list of summer programs offered to high school students by colleges and universities in various regions of the United States. Each entry provides a brief program description and includes information regarding application procedures, costs and availability of financial assistance. Also listed are the names and telephone numbers of contact persons for each program. It is recommended that colleges and universities be contacted early (fall semester) to obtain the necessary program information and application material for the following summer.

The programs listed in this directory are only a sample of the summer programs available to high school students. There are many other college and university summer learning opportunities offered throughout the country. This directory was developed to "whet" the appetite of school personnel as they begin their search for extended learning options for their students. The intent is to identify programs which give students the opportunity to experience college life while they develop their skills, interests, and talents. The goal ultimately is for more migrant students to enroll, attend and graduate from college.

Migrant students in Region IX are beginning to take advantage of precollege programs. Several students from San Diego County, have or will attend various programs in different parts of the country this summer. Silvia Collazo from Ramona was accepted to the LEAD Program this summer at Columbia University. She will attend the summer session from June 30 - July 8, 1991. All expenses will be paid by the university. Ramiro Aguirre from Orange County will attend the summer program for High School Juniors offered by the University of California at Santa Barbara. Last summer, Norma Mendoza of Escondido participated in the

Rocky Mountain Talent Search Summer Institute at the University of Denver. Norma indicated she had a wonderful experience at the program. This year Norma Mendoza hopes to attend the P.A.S.S. Program at Skidmore College in New York state. Veronica Olea and Blanca Hernandez of Escondido are applying to the Making of an Engineer Program at the University of Denver. This is a college level course in engineering for students in grades 10-12. All expenses for participation in the program will be paid by the university.

There are many other summer learning opportunities available for our migrant students. We hope this directory will be of assistance as you seek out those oppoortunities. The directory offers a glimpse of the many options available for migrant students to drop the gloves, irrigation boots and the hoe and again pick up the books. Not a bad way to spend the summer.

RH/PB
(5/91)

1991 SUMMER PROGRAMS for HIGH SCHOOL STUDENTS

Brown University College Initiative Program: Inquires and requests should be addressed to:

Brown College Initiative Program
Brown University
Box T
Providence RI 02912
(401)863-7900 - Fax (401)863-7980

Residential, college level program for students who have completed their junior or senior year in high school. Offers students a "taste" of college life. Undergraduate course credit may be earned.

Dates: June 23 - August 9, 1991
Costs: $ 25 application fee (non-refundable)
$ 3650 comprehensive fee
$ 75 per course for books/course material
Grants and scholarships available

Application deadline: June 14, 1991. Early registration is highly recommended (December - April)

*****

Carnegie Mellon Action Project
Gloria P. Hill, Director
Carnegie University
5000 Forbes Avenue
Pittsburgh PA 15213-3890
(412) 268-2082
CMAP Office: (412)268-2150 Fax (412)268-7838

Five week summer residential program for incoming college freshmen. Designed to acquaint students with college academic program and college life.

Dates: June 22 - July 26, 1991
Costs: Transportation plus books
Financial aid is available

Application deadline: May 18, 1991

*****

Summer Precollege Programs
Director of Precollege Programs
Summer Studies Office
Carnegie Mellon University
5000 Forbes Avenue
Pittsburgh PA 15213-3890
(412)268-6620 Fax: (412)268-7838

Six week summer residential programs in architecture, art, design, drama, and music. Also offers Advanced Placement, Early Admissions Program, and Careers in Applied Science and Technology Program. Open to students in grades 9-12 who demonstrate the ability to succeed in college. Approximately 550 students participate in the seven programs offered. Resident and commuter options available.

Dates: June 23 - August 3, 1991
Costs: $ 2110 to 3050 for residents
$ 1085 - $2025 for commuters
Costs for books and supplies not included
Limited number of scholarships available

Application deadline: May 18, 1991

*****

CORNELL University Summer College
Abby H. Eller
Director
Cornell University Summer College
B12 Ives Hall
Ithaca NY 14853-3901
(607)255-6203 Fax: (607)255-8942

Six week residential college level program for students who will complete their junior or senior year of high school by June 1991. The purpose of the program is to acquaint students with the college academic program and college life. Students enroll in a variety of courses and participate in exploration seminars.

Dates: June 22 - August 6, 1991
Costs: $ 3500 - 3550
$ 30 application fee (non-refundable)
Limited financial aid/awards based on merit and need

Application deadline: April 18, 1991

*****

1991 Duke Precollege Program
Shannon Powers
PreCollege Program Director
P.O. Box 40077
Durham NC 27706-0077
(919)684-3847

Residential, college level program for students who will complete their junior year by June. Students are offered a variety of academic courses and participate in a diverse range of programs to aid them in college selection, career exploration, and intellectual and social development.

Dates: June 30 - August 16, 1991
Costs: $ 2879
$ 352 if in laboratory course
Financial assistance is available and awarded on the basis of need

Application deadline: March 22, 1991

Indiana University Precollege Programs
Directors, Office of Summer Sessions and
Special Programs, Precollege Programs
Dept H. Maxwell Hall 150
Indiana University
Bloomington IN 47405
(812)855-5047

Diverse residential programs for students, entering grades 4-12. Courses offerings for high school students include debate, foreign language, general, gifted and talented, journalism, leadership, music, philosophy, and science.

Dates: vary
Costs: vary
Limited scholarships available

Application deadline: vary

*****

Twin City Institute for Talented Youth
Lucienne Taylor, Director
Manchester College
1600 Grand Avenue
St. Paul MN 55105
(612)696-6590

Provides talented junior high and senior high school students challenging and intensive summer academic opportunities.

Dates: Session A-June 17-28, 1991
Session B-July 8-19, 1991
Five week session-June 17 - July 19, 1991
Costs: $ 245 commuter
$ 605 two week session - residential
$ 375 five week session
Financial aid available

Application deadline: May 9, 1991

*****

Minorities in Engineering

The Making of an Engineer
Al Rosa, Director
University of Denver
Bureau of Educational Services
Wesley Hall # 203
Denver, Colorado 80208
(303)871-2112

Residence or commuter and credit or non-credit options. A college level course in engineering for students in grades 10-12.

Dates: June 12 -28, 1991
Costs: $30 Registration fee
$614 Tuition for non-credit
$664 Tuition for university credit
$625 for in-residence option.
Scholarship based on need - For information call Pamela Campbell 303)871-2663

Application deadline: May 1, 1991

*****

Minorities in Engineering Workshop
Director
Minorities in Engineering Program
Michigan Technological University
Youth Programs Office
14000 Townsend Drive
Houghton MI 49931-1295
(906)487-2219

An opportunity to learn more about engineering and university life. Investigation of careers in mechanical, environmental, electrical, chemical, civil, geological, metallurgical, mining engineering, and bioengineering, as well as computer science, engineering technology, and space science.

Dates: June 21 - 29, 1991
Costs: Supported by Mid-Michigan Minority Pre-engineering Program
Participants only expenses: personal items, transportation to and from university

Application deadline: April 17, 1991

*****

Michigan Technology University (MTU) also offers the **Women in Engineering Program.** For more information call (906) 487-2219.

Dates: June 9 -14 and 16 - 21, 1991
Supported by Mid-Michigan Minority Pre-engineering Program
Participants only expenses: personal items, transportation to and from univerisity

Application deadline: April 10, 1991

*****

Other programs offered by MTU: **Summer Institute for the Arts and Sciences,** Native American Mathematics and Science workshop.

*****

Women in Engineering
Maureen Gonzalez
Women in Engineering
School of Engineering/Special Programs
The University of Dayton
Dayton OH 45469-0219
(513)229-4632

One week residential program for female high school sophomores, juniors or seniors. Program will allow high school women to experience a variety of offerings in engineering and engineering technology.

Dates: July 7 - 12, 1991
Costs: $ 225 plus transportation costs, remainder sponsored by industries and professional societies.
Limited financial assistance available

Application dealine: May 31, 1991

*****

Purdue University Minority Engineering Program
Marion W. Blalock, Director
Minority Engineering Program
Engineering Administration Building
West Lafayette IN 47907
(317)494-3974

A variety of residential programs are offered to students in grades 7-12. Designed for minority students with high potential and interest in math, science and engineering. Programs offered include 7th and 8th Grade Summer Workshops, Pre-Freshman and Cooperative Education, Minority Introduction to Engineering, Target Cities, Purdue's Recruitment of Minorities interested in the Schools of Engineering (PROMISE) and Engineering Preview.

Costs: $100 - 150, plus transportation costs
Dates: Mid-July (one and two week programs)
Limited financial assistance available

Application deadline: June 14, 1991

Summer Math Program
Rutgers University Summer Session
1991 Dean's Summer Scholars Program
Steven R. Runk, Dean Program
5th and Pennsylvania Streets
Camden New Jerssey 08102
(609)757-6098

A competitive Scholarships Awards Program for academically talented high school students who have completed their junior year by June 1991. Program provides students the opportunity to experience college life and earn college credits. Courses offered in Humanities, Social Sciences, National and Physical Sciences, Mathematical Sciences and Business Studies. Participation in weekly enrichment seminars, workshops and debates required. **Students selected for the program will receive scholarship awards covering tuition and fees for two college courses.**

Dates: June 24 - July 19 and July 22 - August 14
Costs: Transportation costs, meals, textbooks
Partial scholarship available

Application deadline: April 30, 1991

*****

Young Scholars Summer Session
University of Colorado at Boulder
Campus Box 73
Boulder CO 80309-0073
(303)492-5421

Residential college level program for students in grades 11-12. Students enroll in one of the following courses: Anthropology, Astronomy, General Biology, General Physics, Interpersonal Communication, Expository Writing.

Dates: June 24 - July 26, 1991
Costs: $ 1875 resident
$ 2496 out of state
Limited financial assistance available

Application dealine: May 15, 1991

*****

University of Kansas Summer Honors Institute
Sandra Wick, Director
Summer Honors Institute
The University of Kansas
Nunemaker Center
1506 Engel Road
Lawrence KS 66045
(913)864-4225

Four week residential program that provides a college level experience for high school juniors, seniors and recent high school graduates. Open to 20 outstanding high school students.

Dates: June 5 - July 3, 1991
Costs: $ 677 (residents)
$ 1301 (nonresidents)
$ 15 application fee
Financial aid available based on need

Application deadline: May 1, 1991

*****

Wellesley College Exploration Summer Program
Ann and Arnie Singal and Dinah Miller,
Directors, Exploration
124 High Rock Lane
Westwood MA 02090
(617)329-4488

Residential and commuter coed programs for secondary level students, Intermediate (grades 7-9) and Senior (grades 10-12). The programs include academic workshops, SAT review course, and extra curricular activities. The emphasis at Exploration is on learning for the fun of learning. Over 75 different workshops offered in each program. Costs vary depending on program selected, number of family members attending and residential/commuter status.

Dates: July 1-19, 1991 (three weeks)
July 22 - August 9, 1991 (six weeks)
July 21 - August 10, 1991 (six weeks)
Costs: Vary
Partial and full scholarships available

Application deadline: There is no final date for registration

Rocky Mountain Talent Search Summer Institute, 1991
University of Denver
Bureau of Educational Services
Wesley Hall, Room 203
2135 E. Wesley Ave.
Denver CO 80208
(303)871-2983

Residential and commuter programs for academically gifted junior high/middle school students with exceptional ability in mathematical and verbal areas. Offers challenging academic curriculum plus planned and supervised extracurricular activities. Students qualify for the program based on SAT or ACT scores. Admission is on a first-come, first-served basis.

Dates: June 16-29, 1991 - Session I (ages 10-13)
July 7-27, 1991 - Session II (ages 14-16)

Costs:

Residential

(three weeks) $ 1450 (tuition for two classes, room, board, t-shirt, and RMTS activities and field trips.)

(two weeks) $ 930 (tuition for two classes, room, board, t-shirts, and RMTS activities and field trips.)

Commuting Students

(three weeks) $ 700 (tuition for two classes)
$ 350 (tuition for one class)

(two weeks) $ 470 (tuition for two classes)
$ 235 (tuition for one class)

Limited financial assistance available

Application deadline: May 23, 1991

*****

University of California, Santa Barbara
Tippi Lawrence, Program Coordinator
Young Scholars Summer Program
Summer Sessions Office
Cheadle 1317
University of California
Santa Barbara CA 93106
(805)893-2069

Residential program offering college-credit courses in art, biology, literature, mathematics, and physics with planned trips and recreation for students entering grades 9-12.

Dates: June 23 - August 2, 1991
Costs: $30 Application fee
$590 Tuition
$934 Room and board
Financial aid available for California residents

Application deadline: May 17, 1991 (March 29 for scholarships)

*****

Skidmore College
Program to Accelerate at Skidmore in the Summer (PASS)
Thomas P. Oles
Director, PASS
Skidmore College
Saratoga Springs, New York 12866
(518)584-5000 ext. 2766

Residential and commuter program offering for-credit courses in mathematics, science, and the humanities to students who have completed grades 11 & 12.

Dates: July 3 - August 9, 1991
Costs: $1575 Tuition
$1160 Room & board
Financial aid available

Application deadline: June 15, 1991

RH/PB (5/91)

1991 SUMMER PROGRAMS for HIGH SCHOOL STUDENTS without SCHOOL OPTIONS

The American University Summer College
David C. Brown, Dean
Washington Semester and World Capitals Programs
The American University
Tenley Campus
4400 Massachusetts Ave, NW
Washington, DC 20016-8083
(202) 895-4960

Residential, college level instruction in American Government, Print and Broadcast Journalism, Foreign Policy, or Justice and Law. Open to students completing grades 9-12 (Approximately 150 students)

Dates: July 7 - July 26, 1991
Costs: $ 50 non-refundable deposit
$1495 (college credit)
$ 995 (no college credit)
No financial aid available through the university

Application Deadline: June 1, 1991

*****

Barnard's Summer in New York: A Precollege Program
Beth G. Kneller
Director of Special Academic Programs
Barnard College
Columbia University
3009 Broadway
New York NY 10027-6598
(212) 854-8866

Residential, coeducational college level program designed to assist students discover the challenges of college life and the excitement of New York City. Selective program for bright, highly motivated young men and women who have completed grades 10 and 11 and are intellectually prepared for college level work. Approximately 90 students participate.

Dates: July 7 - August 3, 1991 (4 weeks).
Costs: $ 2350 for residents
$ 1450 for non-residents
No financial aid available through the university

Application Deadline: Admissions decisions are made beginning March 1; however, application will be accepted through June 7, 1991.

*****

The School for Gifted Students in the Arts
Steven N. Kelly, Director
SGSA '91
Brevard College Music Department
Brevard, NC 28712
(704) 883-8292 ext 211/212

Residential, total arts camp which offers opportunities to expand creative talents in music, art, creative writing, dance, and drama. Students currently in grades 7-12 may apply.

Dates: June 16-29, 1991
Costs: $325
No financial aid available

Application dealine: June 1, 1991

*****

A Running Start Program
Kathleen Sweet
Program Coordinator
Office of Summer Studies
Box T (133 Waterman Street)
Brown University
Providence RI 02912
(401)863-7900 Fax (401)863-7908

Intensive three-week residential seminar in critical reading, scholarly writing and college admissions/adjustment. Students entering their senior year in the fall of 1991 are eligible to apply.

Dates: July 27 - August 16, 1991
Costs: $ 20 application fee (non-refundable)
$ 1700 (resident)
$ 1000 (non-resident)
No financial aid available through the university

Application deadline: July 8, 1991

Women in Science and Engineering (WISE)
Director, Women in Science and Engineering Program
Illinois Institute of Technology
IIT Center
Chicago IL 60616
(312)567-3025

One to three week summer program, for high school/girls of all ages (academic year program also offered). Offers high school/girls an opportunity to explore their aptitude and interest in science and engineering. Program includes a variety of hands-on laboratory demonstrations and projects that allow students to apply the principles of math and science learned in high school classes to practical engineering projects in the lab.

Dates: July 15-19, 1991 Session I
August 5-9, 1991 Session II
Costs: Tuition is free - transportation paid by student
Financial aid is not available

Application dealine: Mid - June (Session I), July 1, 1991 (Session II)

Grinnell Summer Institute
James C. Work
Director
Office of Special Services and Summer Activities
Grinnell College
P.O. Box 805
Grinnell Iowa 50112-0810
(515)269-3178 Fax: (515)269-3408

Residential college experience offering six programs in art, writing, contemporary problems and Math. High school students who are entering at least their junior year are invited to apply.

Dates: June 30 - July 27, 1991
Costs: $ 1795
$ 25 application fee (non-refundable) plus cost of books
Financial aid is not available through the program

Application deadeline: Application will be considered after January 1. Students will be accepted on a rolling admission basis.

The Boston College Experience
Elizabeth Strain
Director
Boston College
Fulton Hall, Room 314
Chesnut Hill MA 02167
(617)552-3457

A six week summer residential college level program for high school students who have completed the eleventh grade and have outstanding academic records. The program helps students develop strategies for dealing with the more intensive and unique demand of college study.

Dates: June 24 - August 2, 1991
Costs: $ 25 application fee (non-refundable)
$ 650 - 1440
$ 558 room and board (double occupancy)
$ 768 room and board (single occupancy)
Financial aid is not available

Application deadline: Mid-May

*****

The Michigan Technological University-Summer Youth Program
Director, Youth Programs Office
Michigan Technological University
1400 Townsend Drive
Houghton MI 49931-1295
(906)487-2219

Opportunities to explore careers and to develop new skills through lab, classroom, and field experiences. Over sixty-five one week Explorations designed to introduce students to the world of professions are offered. Open to youth ages 12-18 years.

Dates: July 7 - August 3, 1991
Costs: $ 315 per week (residential)
$ 195 per week (commuter)
No financial aid available

Application deadline: Last day to cancel enrollment is June 7, 1991

Charlene and James Morrow, Directors
Mount Holyoke College
Summer Programs
Smith Hadley MA 01075
(413)538-2608

A six week residential college experience program for 100 young women in grade 8-12. Students are provided new perspectives on mathematics and are taught how to learn mathematics more successfully. Students also take a computer programming course and three workshops involving the application of math.

Dates: June 30 - August 10, 1991
Costs: $ 2900 (residential)
$ 2100 (commuter)
$ 95 deposit (non-refundable)
No financial aid available

Application dealine: June 21, 1991

*****

Tufts College Experience for High School Students
Brenda Needle, Director
Tufts University Conference Bureau
Medford MA 02155
(617) 381-3568

Residential college preparatory program for high school students entering at least their junior year. Program includes writing classes, lectures on contemporary issues, vocabulary and math workshops, college and career exploration, workshops on Public Speaking, Drama, Understanding International News, and extra curricular activities.

Dates: June 28 - August 9, 1991
Costs: $ 25 Application fee (non-refundable)
$ 2590 Tuition (includes room and board)
$ 230 Student Activities fee
No financial aid available

Application deadline: Applications considered after January 1, 1991. Student accepted on a rolling admissions basis.

University of Northern Colorado Summer Enrichment Program for the Gifted and Talented
Center for the Education and Study of the Gifted, Talented, and Creative
University of Northern Colorado
Greeley CO 80639
(303)351-2683

A two week residential program for gifted and talented children and youth entering grades 5-12. Students are offered four academic courses and a rich activities program.

Dates: July 7 - 20, 1991 - Session I
July 21 - August 3, 1991 - Session II
Costs: $ 595 per session
No financial aid offered

Application deadline: June 1, 1991

*****

Career Discovery in Architecture

Notre Dame
Thomas Gordon Smith, Chairman
University of Notre Dame
School of Architecture
Notre Dame IN 46556
(219)239-6137

An intensive two week residential program for high school juniors and seniors students discover what architecture is about, test their creative powers, and experience university life.

Dates: June 16 - June 28, 1991
Costs: $ 440 plus meals
No financial aid available

Application dealine: April 8, 1991

*****

Sandy Brenman
School of Architecture
Washington University
Campus Box 1079
One Brookings Drive
St. Louis MO 63130-4899
(314)889-6265

Residential two week program designed primarily for high school juniors and seniors. Program consists of lectures, seminars and films in a wide range of topics including architectural design, the history of architecture, building structure and technology. Students apply what they have learned to design problems.

Dates: June 16 - 25, 1991
Costs: $ 1000, plus travel
$ 25 application fee (non-refundable)
No financial aid available

Application deadline: April 26, 1991

*****

University of Wisconsin - Madison Summer Youth Programs for Grades 10-12
Director, Office of Summer Sessions
905 University Avenue
Madison WI 53715-1005
(608)262-2115

A variety of academic and sports summer youth programs offered. Precollege program offered for high school juniors and seniors, and newly admitted University of Wisconsin-Madison freshman students. Academic programs offered include the College Access Program, Drama, French and Spanish, Music Clinics, National Institutes of Health Research Apprentice Program, Precollege Engineering Summer Program, Summer Institutes in Writing and Math, Summer Science Institute.

Dates: Vary
Costs: Vary
No financial aid available

Application deadline: Vary

1991 Summer Pharmacy Career Institute
Diana L. Drilling, Director of Admissions
St. Louis College of Pharmacy
4588 Parkview Place
St. Louis MO 63110
(314)367-8700 ext. 264

An Institute designed to acquaint selected, science oriented college-bound students with specific information about pharmacy careers. Open to 55 high school juniors (class of '92). A four day, on-campus, "hands-on" program consisting of of classroom laboratory experiences, visits to different types of planning career sites, and exposure to the St. Louis area.

Dates: June 23 - 27, 1991
Costs: $ 60 plus transportation
No financial aid available

Application deadline: May 8, 1991

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RH/PB
(06/91)

The Johns Hopkins University
Center for Talented Youth (CTY)

1991 PROGRAM OPPORTUNITIES FOR ACADEMICALLY ABLE STUDENTS WEST COAST

To assist you in planning your education, CTY provides this list of programs in your region of the United States. CTY neither endorses nor recommends these programs. We encourage you to thoroughly investigate each program that interests you to determine its quality and suitability for your particular goals. Programs for older youths and programs with 1991 deadlines that have passed are included to encourage you to plan for future educational experiences.

This list is not complete. It does, however, describe a variety of opportunities to let you know that many types of programs are available. Look for other special programs designed for students at your level of talent and achievement. Your community college, your state university, your school system, your library, and the director of programs for gifted and talented students in your state's department of education may be good places to begin your search.

ARIZONA

CENTER FOR ACADEMIC PRECOCITY (CAP). Dr. Eleanor Jordan, Director, Center for Academic Precocity, College of Education, Arizona State University, Tempe, AZ 85287-2711. (602) 965-4757. Residential program for students completing grades 5-11 and commuter program for students completing grades k-11 offering courses in the humanities, mathematics, and sciences. Dates: June 24-July 29 for commuters and residential students completing grades 7-11 (Session I); June 22-July 13 for residential students completing grades 5-6 (Session II). Tuition: $315 per course. Room & board: $620. (grades 5-6), $1320. (grades 7-11). Limited financial aid. Application deadline: April 20, 1991.

CALIFORNIA

ACADEMIC TALENT SEARCH AT CSUS. Dr. Terry A. Thomas, Director, Academic Talent Search, School of Education, California State University, Sacramento, 6000 J Street, Sacramento, CA 95819-6098. (916) 278-7032. Commuter summer program for highly able and motivated students entering grades 8-10. Courses cover all major academic disciplines including mathematics, English, natural and applied sciences, humanities, engineering, computer science, and communication studies. Dates: June 24-August 2. Costs: $120 (3 weeks), $240 (six weeks), $25 application fee. Financial aid available. Application deadline: May 3, 1991.

CALTECH SECONDARY SCHOOL SCIENCE PROJECT. Lee F. Browne, Director, Secondary School Science Project, California Institute of Technology, 10-63 CALTECH, Pasadena, CA 91125. (818) 356-6207. Residential and commuter summer courses in mathematics and science including molecular biology, chemistry, and physics for students completing grades 7-12. (Academic year program also offered.) Call or write for more information.

FOOTHILL COLLEGE YOUTH PROGRAMS. Janice Carr, Program Director, Foothill College Youth Programs, 12345 El Monte Road, Los Altos Hills, CA 94022. (415) 949-7612. Commuter programs offering college credit to selected students completing grades 7-11. Academically Talented Youth Program offers fast-paced courses in mathematics, science, and the humanities. Also Animal Sciences Youth Program; Computer Sciences Youth Program; Health Sciences Youth Program; Drama Youth Program; and Space Sciences Youth Program. Six-week courses (some 3 or 4 week sessions), starting July 1, 1991. Tuition: $51. (CA residents), $675. (non-residents). Application deadline: July 1, 1991. Late registration July 1-5 with instructor permission.

NEWBRIDGE. Lois A. Loofbourrow, Director, NEWBRIDGE, San Francisco University High School, 3065 Jackson Street, San Francisco, CA 94115. (415) 346-8400. Full day academically rigorous program offering over 60 classes plus field trips and activities designed to enhance the classroom experience for students graduating from grade 8 and planning a rigorous college preparatory curriculum in high school. No college credit. Dates: June 24-August 2. Cost: $650. Application deadline: April 20, 1991.

STANFORD UNIVERSITY JUNIOR STATESMEN PROGRAM. Melan Jaich, Stanford Summer School Director, The Junior Statesmen Foundation, 650 Bair Island Road, Suite 201, Redwood City, CA 94063. (415) 366-2700 or 1-800-334-5353. Residential, college-level studies in American government, economics, and speech communication supplemented by a high-level speakers program and student debates for students entering grades 9-12. Course work designed to prepare for Advanced Placement examinations in government. Dates: July 7-August 2. Tuition, room, & board: $1950. Need- and merit-based financial aid. Application deadline: May 1, 1991.

SUMMERBRIDGE. See NEWBRIDGE for contact. Full-day academically rigorous program offering two consecutive summer sessions (before and after seventh grade) for selected academically-motivated current 6th grade public or parochial school students from the San Francisco area with a tutorial program during the seventh grade academic year and ongoing educational counseling. Dates: June 24-August 2. Free tuition. Application deadline: March 6 of sixth grade year.

THE SUMMER SCIENCE PROGRAM (AN NSF YOUNG SCHOLARS PROGRAM). Roger D. Klausler, Administrative Director, SSP, The Thacher School, 5025 Thacher Road, Ojai, CA 93023. (805) 646-4377. Residential college-level classroom instruction in mathematics, physics, astronomy, and computer science combined with a research project in observational astronomy and astrophotography. Open to 36 scientifically-oriented and highly-motivated students who have completed grade 11. Co-sponsored by the National Science Foundation and Pomona College. Dates: June 24-August 3. Costs: $1500. Need-based financial aid, travel grants, and spending money available. Application deadline: April 12, 1991. (Applications accepted until program is full). Applications from women and minority students are encouraged.

UNIVERSITY OF CALIFORNIA AT BERKELEY ACADEMIC TALENT DEVELOPMENT PROGRAM. Nina Hersch Gabelko, Director, ATDP, Graduate School of Education, 3641 Tolman Hall, University of California, Berkeley, CA 94720. (415)642-8308. Commuter program offering Older Students (OS), ages 12 to 16, and Younger Students (YS), ages 5-12, a wide range of accelerated and enrichment courses in mathematics, science, and the humanities. Older Students may earn high school credit. Dates: June 18-July 29 (OS), July 8-July 26 (YS). Costs: $310-$460 (OS), $310 (YS). Financial Aid. Application deadline: March 1, 1991 (OS); April 1, 1991 (YS).

UCB ACCELERATED HIGH SCHOOL STUDENT PROGRAM. Fred Perry, Office of Undergraduate Admissions, 123 Sproul Hall, University of California, Berkeley, CA 94720. Commuter program allowing promising high school seniors nominated by Bay area high schools to take regular undergraduate coursework for credit while still in high school. Dates: academic year program. Costs: 1/3 the usual registration fees at time plus nominal application fee. Other California institutions offer similar academic year programs.

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UCLA 1991 SUMMER PROGRAMS FOR SECONDARY SCHOOL STUDENTS. Barbara Weizstock, Coordinator, Summer Secondary School Program, Education Extension, UCLA, 10995 LeConte Avenue, Room 639, Los Angeles, CA 90024. (213) 825-4191. Preparing for College, a commuter program offering high school level courses for students entering grades 9-12 and Expanding Horizons, a commuter program offering college credit courses for highly motivated, academically talented students entering grades 10-12. Dates: June 24-August 2. Tuition: $140. and up. Financial aid is available for Preparing for College courses only. Application deadline: May 30, 1991.

UNIVERSITY OF CALIFORNIA, SANTA BARBARA, YOUNG SCHOLARS SUMMER PROGRAM. Tippi Lawrence, Program Coordinator, Young Scholars Summer Program, Summer Sessions Office, Cheadle 1317, University of California, Santa Barbara, CA 93106. (805) 893-2069. Residential program offering college-credit courses in art, biology, literature, mathematics, and physics with planned trips and recreation for students entering grades 9-12. Dates: June 23-August 2. Application fee: $30. Tuition: $590. Room & board: $934. Financial aid available for California residents. Application deadline: May 17, 1991 (March 29 for scholarships).

UNIVERSITY OF CALIFORNIA, SANTA BARBARA, HIGH SCHOOL JUNIORS. See contact above. Residential program offering regularly scheduled college-credit courses with planned trips and recreation for qualifying students who are rising seniors with at least a 3.3 GPA. Dates: June 23-August 2. Application fee: $30. Tuition: $481. Room & board: $934. Financial aid available for California residents. Application deadline: May 17, 1991 (March 29 for scholarships).

UNIVERSITY OF THE PACIFIC HIGH SCHOOL SUMMER HONORS PROGRAM. Dr. Michael J. Minch, Director, UOP High School Summer Honors Program, University of the Pacific, Department of Chemistry, Stockton, CA 95203. (209) 946-2442 or 2271. Residential program for students completing grades 10 or 11 offering college-credit courses including Recombinant DNA, a three-week lecture course on genetic engineering with a laboratory involving bacterial plasmid DNA isolation and characterization; Research Opportunity, a five-week research project follow-up to the course on Recombinant DNA; and Artificial Intelligence, a lecture and laboratory course on Turbo Prolog examining questions regarding artificial minds. Call or write for more information.

HAWAII

HAWAII-SSTP. Suk R. Hwang, Director of Hawaii-SSTP and Associate Professor of Physics, University of Hawaii at Hilo, Hilo, HI 96720-4091. (808) 933-3319. Residential program for scientifically gifted and motivated students entering grade 12 to study "Rudiments of the Calculus-Physics" through lecture, recitation/discussion, physics laboratory, computer experience, research, and field trips. Seven weeks. Costs: $1,362 in-state, $1,962 out-of-state. Financial aid. Application deadline: March 11, 1991.

SUMMER PROGRAM FOR THE ENHANCEMENT OF BASIC EDUCATION (SPEBE). Ms. Harriet Ajimine, Education Specialist, State of Hawaii Department of Education, SPEBE, 189 Lunalilo Road, 2nd Floor, Honolulu, HI 96825. (808)396-2526. Statewide competitive selection of qualified Hawaii public school sophomores and juniors to attend residential SPEBE Centers in Planetary Studies, Modern Media, Engineering, Computer Science, Chinese Studies, or Japanese Studies all hosted by relevant departments of the University of Hawaii at Manoa. Also Biochemistry and Drama and Theater hosted by Chaminade University of Hawaii. Dates: in June and July. Application deadline: March 15, 1991.

OREGON

OREGON SUMMER SCIENCE EXPERIENCE (OSSE). Mr. Tim Whitley, Assistant Director, OSSE, Department of Chemistry, University of Oregon, Eugene, OR 97403. (503) 346-4601. Commuter and residential program. OSSE offers students entering grades 11 and 12 the opportunity to explore frontiers in research including such topics as DNA recombination, synchrotron radiation, photoelectron microscopy, artificial intelligence, plate tectonics, superconductivity, neuroscience, and questions of ethics raised by scientific investigation. College credit offered with additional fee of $42. Dates: July 9-21. Tuition: $295. Room and board: $265. Financial aid. Application deadline: May 1, 1991.

SUMMER ENRICHMENT PROGRAM FOR TALENTED AND GIFTED STUDENTS. Dr. George Sheperd, Director, Talented and Gifted, Institute for the Development of Educational Achievement, College of Education, University of Oregon, Eugene, OR 97403. (503) 346-3084. Residential program offering wide range of challenging and fast-paced courses for able students entering grades 6-9. Dates: June 23-July 6 & July 7-20. Costs: $545 (in-state), $565 (out-of-state). Financial aid available. Application deadline: February 28, 1991.

WASHINGTON

HALBERT ROBINSON CENTER FOR THE STUDY OF CAPABLE YOUTH SUMMER STRETCH. Nancy M. Robinson Ph.D., Director, Halbert Robinson Center for the Study of Capable Youth, University of Washington, Guthrie Annex II N1-20, Seattle, WA 98195. (206) 543-4160. Fast-paced, accelerated high school level courses in English, history, biology, chemistry, and mathematics for highly-able students who have completed grades 7, 8, or 9 and have qualifying SAT or Washington Pre-College Test scores. Dates: June 24-July 25. Tuition: $425. Financial aid available. Application deadline: May 8, 1991.

UNIVERSITY OF WASHINGTON ADVANCED STUDY PROGRAM. Bruce D. Bennett, Coordinator of Student Services, University of Washington Summer Quarter, 5001 Twenty-fifth Avenue NE, Seattle, WA 98195. (206) 543-2300. All courses offered by the University are available for college credit to students who have completed grades 9,10, or 11 and have the appropriate educational background. Dates: June 18-August 17. Tuition: $726. Room & board: $750. No financial aid. Application deadline: June 1, 1991.

WESTERN WASHINGTON UNIVERSITY ADVENTURES IN SCIENCES AND ARTS. Program Coordinator, University Extended Programs/Conference Services, Old Main 400, Mail Stop 9042, Western Washington University, Bellingham, WA 98225. (206) 676-3320. Residential and commuter program for highly motivated and able students offering one-week workshops on 34 topics in the arts and humanities, science and nature, and computers and technology. Dates: June 24-28 (grades 4-6), July 8-12 & July 15-19 (grades 7-9), and July 22-26 (grades 10-12). Tuition: $189. Room & board: $179. No financial aid. Application deadline: May 15, 1991.

This information was excerpted from a publication of the CTY Advising and Advocacy Service. The complete publication (listing programs in the entire United States plus a few foreign study opportunities) and other publications related to the education of highly able youth are available at a nominal charge. For an order form, write CTY Advising and Advocacy Service, The Johns Hopkins University, 3400 North Charles Street, Baltimore, MD 21218 or call 301-338-8427.

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The Johns Hopkins University
Center for Talented Youth (CTY)

1991 PROGRAM OPPORTUNITIES FOR ACADEMICALLY ABLE STUDENTS EAST COAST

To assist you in planning your education, CTY provides this list of programs in your region of the United States. CTY neither endorses nor recommends these programs. We encourage you to thoroughly investigate each program that interests you to determine its quality and suitability for your particular goals. Programs for older youths and programs with 1991 deadlines that have passed are included to encourage you to plan for future educational experiences.

This list is not complete. It does, however, describe a variety of opportunities to let you know that many types of program are available. Look for other special programs designed for students at your level of talent and achievement. Your community college, your state university, your school system, your library, and the director of programs for gifted and talented students in your state's department of education may be good places to begin your search.

CONNECTICUT

CHOATE ROSEMARY HALL SUMMER PROGRAMS 1991. Harriet Johnson, Admissions Director, P.O. 788, Choate Rosemary Hall, Wallingford, CT 06492. (203) 284-5365. Residential and day Summer Institute offers rigorous courses in mathematics, sciences, and humanities for able students completing grades 8-12. Dates: June 30-August 2. Costs: $1500. (commuter), $2790. (residential). Other programs include John F. Kennedy Institute in Government, Theater School, and Writing Project. Dates: July 17-August 2. Costs: $720 (commuter), $1300 (residential). Limited financial aid and rolling admissions for all programs.

NATIONAL COMPUTER CAMPS. Michael Zabinski, Ph.D., Executive Director, National Computer Camps, P.O. Box 585, Orange CT 06477. (203) 795-9667. Commuter and residential program offering instruction in BASIC, PASCAL, C, and machine language on Apple and IBM computers for ages 8-18 with optional recreation/sports program and dormitory style living on college campuses in Hartford, CT; Cleveland, OH; or Atlanta, GA. Dates: June and July. Costs: $455 first week and $390 each additional week. Rolling admissions.

THE JUNIOR STATESMAN FOUNDATION-YALE SESSION. Mr. Bob Rapp, Director, Yale Junior Statesman Summer School, The Junior Statesman Foundation, 650 Bair Island Road, Suite 201, Redwood City, CA 94063. (415) 366-2700 or toll free (800) 334-5353. Residential program using Yale University dormitories and facilities open to students grades 9-12. College-level studies in American government designed to prepare students for Advanced Placement exam in American government. Dates: July 7-August 3. Tuition: $1950 inclusive. Financial aid. Rolling admissions. (Similar program housed at Georgetown University.)

TALCOTT MOUNTAIN SCIENCE CENTER FOR STUDENT INVOLVEMENT. Jonathan Craig, Assistant Director, Talcott Mountain Science Center, Montevideo Road, Avon, CT 06001. (203) 677-8571. Academic year science enrichment programs on Saturdays include The Sky's the Limit, providing instruction and independent work for grades 6-9, and NOVA/Super NOVA, offering advanced high school level students a chance to investigate a research problem of their choice. Fall, winter, and spring sessions. Tuition: $475. Application deadline: two weeks prior to first class. Financial aid. Also Summer Day Programs for children ages preschool through 12th grade. Dates: June 24-August 16. Tuition: varies.

UNIVERSITY OF NEW HAVEN CONNECTICUT JUNIOR ACADEMY OF SCIENCE AND ENGINEERING. Arthur J. Repak, Ph.D., Director, Connecticut Junior Academy of Science and Engineering, University of New Haven Foundation, 300 Orange Avenue, West Haven, CT 05616. (203) 932-7260. Commuter program concentrating on scientific research and examining the relationship between science, mathematics, and computer use in data analyses for entering and established high school students. Hands on research conducted by student. Field trips to area labs and academic libraries. Dates: during month of July. Cost: $85. (non-refundable registration fee). Application deadline: April 30, 1991.

WESLEYAN UNIVERSITY CENTER FOR CREATIVE YOUTH. B. Joan Hickey, Director, Center for Creative Youth, Wesleyan University, Middletown, CT 06457. (203) 347-9411 x 2684. Summer residential study with professional artists in creative writing, dance, music, technical theater, theater, and visual arts for selected students entering grades 10-12 followed by academic year arts symposia at Wesleyan and an arts leadership project to be undertaken in the local community. Dates: June 30-August 3. Tuition: $1350. Room and board: $1100. Limited financial aid. Some school systems may pay tuition. Application deadline: April 1, 1991.

DELAWARE

DELAWARE SUMMER PROGRAM FOR ACADEMICALLY TALENTED STUDENTS. Dr. William Geppert, State Supervisor, Mathematics & Dr. Gary Houpt, State Supervisor, English/Language Arts, Department of Public Instruction, P.O. Box 1402, Dover, DE 19901. (302) 739-4888. Commuter mathematics, science, and writing programs for Delaware students who score at least 430 SAT-V, 470 SAT-M, or 43 TSWE. Dates: June 17-July 5. Tuition: $80. Application deadline: June 3, 1991.

GOVERNOR'S SCHOOL FOR EXCELLENCE. Jeffrey J. Leggett, Director, Governor's School for Excellence, Office of the Governor, State Office Building, Wilmington, DE 19801. (302) 577-3210. Residential program designed to motivate high-achieving students entering grade 11 to strive for excellence, broaden horizons, and critically review issues related to personal decision-making. The 1991 Governor's School will focus on local and global environmental issues. Dates: July 14-July 20. No charges (state-supported). Application deadline: April 1, 1991.

UNIVERSITY OF DELAWARE'S SUMMER COLLEGE. Martha Collins, Coordinator, Summer College, 325 Hullihen Hall, University of Delaware, Newark, DE 19716. (302) 451-2852. Residential program for students entering grade 12 offering choice of two courses in humanities, math, or science. Dates: June 22-July 27. Costs: $850 (in-state), $1950 (out-of-state). Financial aid. Application deadline: April 15, 1991.

DISTRICT OF COLUMBIA

GEORGE WASHINGTON UNIVERSITY SUMMER SCHOLAR PROGRAM. Kevin P. Keaveney, Assistant Director of Admissions, Office of Undergraduate Admissions, The George Washington University, Washington, DC 20052. (202) 994-6040. A five-week residential or commuter program offering college credit to students entering grades 11-12. Dates: June 17-July 23. Tuition: $2670. (6 semester hours of credit). Room and board: $1075. Full tuition scholarships based solely on superior academic records and standardized test scores. Application deadline: May 15, 1991.

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HOWARD UNIVERSITY HIGH SCHOOL JOURNALISM WORKSHOP FOR MINORITIES. Dr. Barbara Hines, Workshop Director, Department of Journalism, Howard University, Washington, DC 20059. (202) 806-7856 (day), (301) 593-4416 (evenings). Competitive residential program for students entering grades 11 or 12 including instruction in researching, writing, and reporting the news and newspaper design and production at Howard University followed by work with reporters and editors at *USA TODAY*. Dates: June 16-28. No charges. Application deadline: April 15, 1991.

INTERNATIONAL MATHEMATICS AND SCIENCE SUMMER INSTITUTE. Dr. Edward D. Lozansky, Executive Director, International Educational Network, 3001 Veazey Terrace N.W., Suite 1429, Washington, D.C. 20008. (202) 362-7855. Commuter or residential program for students entering grades 9-12. Advanced math and physics problem solving, space research, molecular biology, computer science (artificial intelligence area), and chess. Dates: July 1-21. Tuition: $1000. Room and board: $600. Financial aid. Similar programs in Long Island, France, Moscow/Leningrad. (Call for details.) Application deadline: May 1, 1991.

UNIVERSITY OF THE DISTRICT OF COLUMBIA (UDC) THE SATURDAY ACADEMY. Dr. Winson R. Coleman, Director of, Science and Engineering Center, MS 4201, University of the District of Columbia, 4200 Connecticut Avenue, NW, Washington, D.C. 20008. (202) 282-7338. Pre-College Program. Students in grades 5-8 take classes in mathematics, electrical engineering, and computer science. Dates: January 26-April 6, July 8-August 9, September 28-December 7. No tuition. Application deadlines: January 5, 1991 (spring), May 11,1991 (summer), September 14, 1991 (fall).

WASHINGTON WORKSHOPS FOUNDATION. Sharon Sievers, President, Washington Workshops Foundation, 3222 N Street NW, Suite 340, Washington, DC 20007. (202) 965-3434. Residential programs for junior high, high school, and college students, including Congressional Seminar, on-site study of Congress and governmental affairs with students housed at Georgetown University; Diplomacy Seminar, examining diplomacy and international relations housed at The George Washington University; Wall Street Seminar, dealing with all aspects of the American business system and financial institutions housed at New York University; and the Global Environment Seminar, based at George Washington University in Washington, D.C. Programs offered weekly throughout the year. Tuition: $500. Room and board: $200. Rolling admissions.

MAINE

ACADIA INSTITUTE OF OCEANOGRAPHY (AIO) SUMMER CAMP IN MARINE STUDIES. George W. Hahn, Director, New England Marine Educational Services, Box 44, Newtonville, MA 02160. (617) 244-1939. Summer address: Seal Harbor, ME 04675. (207) 276-9364. Residential marine studies in the Gulf of Maine including seal and porpoise counts, whale-sighting trips, dredging for invertebrates, and the study of specimens in the controlled environment of the AIO wet-lab for students ages 12-18. Dates: June 23-July 6, July 7-20, July 21-August 3 (basic courses) and August 4-17, August 18-31 (advanced courses). Costs: $900. for two weeks. Costs: $900 for two weeks. Financial aid. Rolling admissions (apply before May 1, 1991).

THE CHEWONKI FOUNDATION PROGRAMS. Tim Ellis, Director, The Chewonki Foundation, RR 2, Box 1200, Wiscasset, ME 04578. (207) 882-7323. Co-ed Wilderness Expeditions offer 3-7 weeks residential wilderness exploration in Maine and Canada including study of natural history and the environment for students entering grades 8-11. Dates: late June to mid-August. Costs: $1800.-$3150. Financial aid. Rolling admissions until early June. Also Maine Coast Semester, an academic year residential college preparatory curriculum for highly able students coupled with activities designed to develop stewardship for the natural environment during the fall or spring semester of the junior year. Tuition, room & board: $7650. Financial aid. Apply by March 15 during grade 10.

THE JACKSON LABORATORY TRAINING FOR RESEARCH. Training and Education Office, The Jackson Laboratory, 600 Main Street, Bar Harbor, ME 04609. Nine-week research participation program for high school juniors at least 15 years of age by June 16 who have completed at least one course in biology. Each student engages full-time in an independent research project under the sponsorship of research staff members. Dates: June 16-August 23. Tuition: $1750. Financial aid. Application deadline: February 22, 1991.

MARYLAND

THE JOHNS HOPKINS UNIVERSITY PRECOLLEGE PROGRAM FOR ACADEMICALLY TALENTED HIGH SCHOOL STUDENTS. Pamela Cranston, Director of Summer Sessions, School of Continuing Studies, The Johns Hopkins University, 103 Shaffer Hall, 3400 North Charles Street, Baltimore MD 21218. (301) 338-7190. A commuter or residential program for talented students who have completed the 10th or 11th grade offering college-level study at the University. Dates: Commuter Session I, June 3-July 5, Commuter Session II, July 8-August 9; Residential Session, July 7-August 10. Commuter tuition: $275. per credit; total residential costs: $2,850. Application deadline: May 10 for commuter Session I and residential Precollege Program, June 14 for commuter Session II.

MARYLAND SUMMER CENTERS FOR GIFTED AND TALENTED STUDENTS. James J. Bennett, Specialist in Gifted and Talented Education School Improvement, Maryland State Department of Education, 200 West Baltimore Street, Baltimore, MD 21201. (301) 333-1910. Commuter or residential program for students entering grades 4-12 offering a wide variety of courses, including mathematics and computers, writing and humanities, visual and performing arts, critical and creative thinking, space science technology, environmental and social sciences, leadership development and international studies. Internships are also offered in business, industry, government and public service. Student selection based on teacher recommendations, an essay, test scores, and/or auditions or interviews. Dates: June 24-August 17. Tuition: $50. Room and board: $165. (1 week), $275. (2 weeks). Financial aid. Application deadline: February 22, 1991.

MONTGOMERY COLLEGE OFFICE OF CONTINUING EDUCATION. Sandra Sonner, Program Director, Office of Continuing Education, Montgomery College, 51 Mannakee Street, Rockville, MD 20850. (301) 279-5182. Commuter programs for elementary, intermediate, and secondary school students including Summer Student Writing Institute for students entering grades 4-9 designed to immerse participants in writing processes used by professional writers. Dates: July 9-25. Tuition: $295. Also New Directions offers a variety of courses to students entering grades 8-11. Dates: June 24-August 2. Tuition: $75-$275. Financial aid. Rolling admissions.

SUMMER HUMMER PROGRAM AT COLLEGE OF NOTRE DAME OF MARYLAND. Sister Sharon Slear, Chair, Education Department, College of Notre Dame of Maryland, 4701 North Charles Street, Baltimore, MD 21210. (301) 532-3169. Commuter program for high achieving students entering grades 6,7,8, or 9 an opportunity to explore new academic areas, think creatively, and develop innovative problem-solving techniques. Dates: June 24-July 3. Tuition: $250. Need-based financial aid. Application deadline: April 10, 1991.

TOWSON STATE UNIVERSITY MARYLAND WRITING PROJECT STUDENT WRITERS' WORKSHOP. Maggie Madden, Administrative Assistant, Maryland Writing Project, Hawkins Hall 301, Towson State University, Towson, MD 21204-7097. (301) 830-3593. Commuter program offering work on self-selected topics in an environment similar to that of professional writers for able students of writing entering grades 2-12. Dates: Monday through Thursday mornings, July 15-August 1. Cost: $210. Limited financial aid. Application deadline: June 1, 1991.

TURN ON TO SCIENCE. Penelope Judson, Program Coordinator, The Science Center, 601 Light Street, Baltimore, MD 21230. (301) 685-2370 Ext. 362. Commuter program for students in grades preschool-9 offering fall, spring, and summer classes in chemistry, physics, astronomy, biology, paleobiology, geology, photography, and botany. Dates: July 9-August 3. Costs: $82 (members), $96 (non-members). No financial aid. Rolling admissions.

UNIVERSITY OF MARYLAND MINORITY SCHOLARS IN COMPUTER SCIENCE AND ENGINEERING. Dr. Thelma M. Williams, Assistant Dean, College of Computer, Mathematical, and Physical Sciences, Mathematics Building, Room 2300, University of Maryland, College Park, MD 20742. (301) 405-4596. Commuter and residential program offering 6 college credits in mathematics and computer science/engineering plus career exploration for selected able students entering grade 12. Dates: July 15-August 23. Free books, tuition, and room. Students pay only for meals. Application deadline: May 31, 1991.

UNIVERSITY OF MARYLAND COLLEGE OF JOURNALISM SUMMER PROGRAMS. Lois E. Kay, Director of Career Development, College of Journalism, University of Maryland, College Park, MD 20742. (405) 239-2382. Residential and commuter workshops for secondary school students including Writing for the Newspaper (June 19-22, $65.), Newspaper Design (June 24-27, $65.), Editorial Management (June 24-27, $65.), New Dimensions in Yearbook (June 24-27, $75.), Broadcast News: Writing and Production (June 24-28, $75.), Editing Your Copy (July 1-2, $32.). Application deadline: June 7, 1991.

MASSACHUSETTS

BENTLEY COLLEGE SPOTLIGHT PROGRAM. David A. Fedo, Associate Undergraduate Dean, Bentley College, Waltham, MA 02254. (617) 891-2115. Academic year commuter program for gifted students in grades 10-12 exploring business and related areas (the application of technology to problem solving, etc.). Application deadline: September (fall term) and January (spring term). Call or write for more information.

BOSTON MUSEUM OF SCIENCE SUMMER COURSES. Norine Cronin, Registrar, Museum of Science, Science Park, Boston, MA 02114. (617) 589-0340. Residential and commuter courses in all fields of science for all ages, including Marine Science Field Experience, a week of marine science study on the Bay of Fundy in northern Maine for students who have completed grades 7-10. Dates: July 7-13 and July 14-20. Fees vary. Very limited financial aid. Rolling admissions.

BOSTON UNIVERSITY HONORS PROGRAM IN SCIENCE AND ENGINEERING. Professor George O. Zimmerman, Program Director, Physics Department, Boston University, Boston, MA 02215. (617)353-2189. Residential and commuter research internship program in physics, chemistry, biology, and engineering with field trips and cultural activities for students entering 12th grade. Students are introduced to research in existing active research labs and are then assume responsibility for part of a project. Dates: June 30-August 9, 1991. Costs: $1,400 room & board. Financial Aid. Application Deadline: April 30, 1991.

CAPE COD COMMUNITY COLLEGE HIGH SCHOOL COLLABORATIVE. Marie Devlin, Coordinator, Cape Cod Community College High School Collaborative, West Barnstable, MA 02668. (508)362-2131 ext. 450. Academic year commuter program on Saturday mornings from December-April offering high school juniors and seniors college courses for credit. Tuition: $200. Financial aid. Rolling admissions.

COLLEGE ACADEMY. Dr. Joseph and Mrs. Brenda Harrington, Directors, College Academy, Box 382, Stoughton, MA 02072. (617) 344-7174 or 828-9283. Commuter program offering academically talented students entering grades 5-9 fast-paced courses in arts, mathematics, science, and the humanities at Bradford College, Regis College, College of the Holy Cross, Stonehill College and Keefe Technical Institute. Dates: July 8-26 (Bradford, Holy Cross, Stonehill, and Regis); July 29-August 16 (Keefe and Stonehill). Tuition: $535. Financial aid. Rolling admissions.

EXPLORATION '91, AT WELLESLEY COLLEGE. Arnold H. Singal, Director, Exploration Summer Program, 124 High Rock Lane, Westwood, MA 02090. (617)329-4488. Coed summer commuter or residential program for students entering grades 7-9 (intermediate program) or grades 10-12 (senior program) offering courses in humanities, social sciences, science and technology, and SAT preparation (at extra cost). Dates: June 30-July 20, July 21-August 10 (residential); July 1-19, July 2-August 9 (day). Costs: $695 for single commuter session, $1265 for both sessions, $1725 for single residential session, $3325 for both residential sessions. Financial aid. Rolling admissions.

HAMPSHIRE COLLEGE SUMMER STUDIES IN MATHEMATICS. Professor David C. Kelly, Associate Professor of Mathematics & Director, HCSSiM, Box NS, Hampshire College, Amherst, MA 01002. (413) 549-4600 X375. Residential program for highly talented students of mathematics entering grades 11 or 12 (some exceptions) providing intensive work aimed at the creation, sharing, and enjoyment of mathematics outside of the usual secondary and early college curricula. Dates: June 30-August 10. Total cost: $935. Financial aid. Rolling admissions.

HARVARD UNIVERSITY EXTENSION SCHOOL. John F. Adams, Assistant Dean for Student and Alumni Affairs, Harvard Extension School, 51 Brattle Street, Cambridge, MA 02138. (617) 495-9419. Commuter program offering college credit to secondary school students who enroll in liberal arts courses offered evenings. Tuition: $280 per course. Application deadline: first week of term.

MASSACHUSETTS AUDUBON SOCIETY WILDWOOD NATURE CAMP AT OTTER LAKE. Larry J. Pottebaum, Director, Wildwood Nature Camp, South Great Road, Dept. RE-10, Lincoln, MA 01773. (617) 259-9500. Residential opportunity to study nature, natural history for students entering grades 5-9. Dates: June 23-29, June 30-August 10. Costs: $355 (one week), $595 (two-weeks). Financial aid. Rolling admissions.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY HIGH SCHOOL STUDIES PROGRAM. Kenneth A. Graves, Chairman, ESP, W20-467 MIT Student Center, 84 Massachusetts Avenue, Cambridge, MA 02139. (617) 253-4882. Programs taught mostly by MIT undergraduate and graduate students for students grades 7-12 offering enrichment in a wide variety of areas (High School Studies Program), intensive math and science courses (Junction), and one weekend of lectures, seminars and workshops in late fall (Splash). Dates: Saturdays March 2- May 11 (HSSP), June 24-August 16 (Junction). Costs: $20 for High School Studies Program, $300 per course and $500 for two courses in Junction program, $25 for Splash. Need-based financial aid. Application deadline: Walk-in registration on February 23 for HSSP.

NORTH SHORE COMMUNITY COLLEGE KIDS TO COLLEGE PROGRAM. Thomas J. Perelle, Director, Kids to College Program, Division of Continuing Education, North Shore Community College, Sohier Road, Sohier Road Building, Beverly, MA 01915. (617) 922-6722, X 4481. Academic year and summer commuter program for students in grades 1-9 offering hands-on experiences in the arts and sciences. Also 2-week summer camp with academic courses in the morning and a recreational component in the afternoon. Fall/Winter/Summer terms. Tuition: $67-$260. Application deadlines: one week before new term.

RADCLIFFE SUMMER PROGRAM IN SCIENCE. Cecilia Marra, Coordinator, Radcliffe Summer Program in Science, Radcliffe College, Fay House, 10 Garden Street, Cambridge, MA 02138. (617) 495-8626. Residential program for females who have completed grade 11 or 12 and have a special interest in science and mathematics. Program offers 8 college credits, lectures and laboratory modules taught by Harvard University senior faculty, discussion groups led by graduate teaching fellows, and weekly presentations by prominent women scientists plus field trips and an opportunity to be paired with a female career scientist. Dates: June 23-August 16. Total costs: $3945. Need-based financial aid. Rolling admissions ending June 10, 1991.

SIMON'S ROCK COLLEGE OF BARD. Office of Admissions, Simon's Rock of Bard College, Great Barrington, MA 01230. (413) 528-0771. Residential four-year liberal arts and sciences college offering motivated and capable high school-aged students the opportunity to accelerate their education by entering college early. Call for more information.

SIMON'S ROCK COLLEGE OF BARD FOREIGN LANGUAGE INSTITUTE. Dr. Gabriel Asfar, Director, Foreign Language Institute, Simon's Rock College of Bard, Great Barrington, MA 01230. (413) 528-0771. Residential or commuter college-level, for-credit programs in Arabic, French, German, Italian, Portuguese, Russian, Spanish, and English as a Foreign Language for highly motivated students who have completed grades 9-12. Dates: June 23-July 13. Tuition: $950. Room and board: $400. Financial aid. Rolling admissions ending May 15, 1991.

UNIVERSITY OF MASSACHUSETTS AT AMHERST ENGINEERING CAREER ORIENTATION. Dwight Tavada, Minority Engineering Program, University of Massachusetts, College of Engineering, 128 Marston Hall, Amherst, MA 01003. (413) 545-2030. Courses offered in areas of mathematics, chemistry, and writing to selected students in grades 8-12. Tuition: $200. No financial aid. Application deadline: June 8, 1991.

REAL WORLD SCIENCE PROGRAMS. Dr. Robert Barkman, Professor of Biology & Director, Real World Science Programs, Box 1853, Springfield College, Springfield, MA 01109. (413) 788-3288. Commuter and residential scientific problem solving, field trips, and adventure activities including Whale of a Time for students entering grades 6-9. Dates: July 7-13, July 14-20, July 21-27, July 28-August 3. Tuition: $198. Room & board: $185. Financial aid available for Springfield, MA. residents. Rolling admissions.

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SUFFOLK UNIVERSITY PROJECT SPOTLIGHT. Dr. Glen Lewandowski, Professor of Education, Suffolk University, 41 Temple Street, Boston, MA 02114. (617) 573-8281. Academic year commuter program for selected students in grades 10-12 designed to provide a bridge into higher education by encouraging high potential students to analyze conflicting information and integrate scientific, aesthetic, and moral concepts. Dates: October through April of each academic year. Costs: $20. a semester (80 percent of the cost absorbed by Suffolk University). Application deadline: three weeks prior to semester. Similar program at Southeastern Massachusetts University. Contact Dr. Robert L. Piper, Project Director, Spotlight Program, Southeastern Massachusetts University, North Dartmouth, MA 02747, (508) 999-8899 or (508) 999-8036, for more information.

WORCESTER POLYTECHNIC INSTITUTE FRONTIERS IN SCIENCE, MATHEMATICS, AND ENGINEERING. Carol Garofolio, Assistant to the Provost, Worchester Polytechnic Institue, Institute Road, Worcester, MA 01609-2280. (508) 831-5366, Fax (508) 831-5483. Academic enrichment and college preparation program with lectures, work sessions and labs in physics, chemistry, mathematics, biology, electrical, civil, manufacturing engineering, or computer science for selected students entering grade 12. Dates: July 14-25. Tuition: $850. No financial aid. Application deadline: May 1, 1991.

NEW HAMPSHIRE

ACADEMY OF APPLIED SCIENCE CENTER FOR EDUCATION AND DEVELOPMENT. Susan Zehnder, Director, Education and Development, Academy of Applied Science, 98 Washington Street, Concord, NH 03301. (603) 228-4530). Commuter enrichment programs for students, teachers, and parents including programs offering students in grades 5-10 a chance to study particular themes in science and humanities in great depth. Dates: July 1-26. Tuition: $50-$75 per week. Financial aid. Application deadline: June 28, 1991.

FRANKLIN PIERCE COLLEGE PROJECT SOAR. Marion Austin, Coordinator, Project Soar, Education Department, Franklin Pierce College, Rindge, NH 03461. (603) 899-5111 x401. Residential and commuter courses in science, mathematics, writing, applied art, and humanities for students entering grades 1-8. Dates: June 17-July 6. Costs: $60 per week plus materials, room and board. Financial aid. Application deadline: June 16, 1991.

PROJECT EXPLORE. Terry Viens, Director, Project Explore, Box A-250, Hanover, NH 03755. (802) 333-9118. Commuter courses in computers, engineering, science, applied art, music, drama, and more for students entering grades 2-8. Dates: June 24-July 12. Tuition: $290. Financial aid available. Rolling admissions beginning March 1, 1991.

PLYMOUTH STATE COLLEGE. Katharine G. Fralick, Director, Department of Education, Rounds Hall 024, Plymouth State College, Plymouth, NH 03264. (603) 535--2432. Ventures in Learning offers commuter programs in the arts, sciences, and humanities for students entering grades 1-10. Dates: July 8-26. Costs: $85. per week. Application deadline: June 30, 1991. Mindstretch VII is an academic year lecture program for students in grades 10-12 that meets for seven consecutive Mondays in October and November. Costs: $65 per seven week session. Application deadline: one week prior to first meeting.

UNIVERSITY OF NEW HAMPSHIRE SEMINARS FOR ADVANCED HIGH SCHOOL STUDENTS (SEARCH). Heather Carney, Project Director, Search, Morrill Hall, University of New Hampshire, Durham, NH 03824-3595. Wednesday afternoon series for academically talented high school juniors and seniors examining central themes from various perspectives and disciplines in order to encourage the development of higher critical thinking skills. Contact project for details.

NEW JERSEY

COLLEGE GIFTED PROGRAMS. Dr. Carl Gottschall, President, and Dr. Philip W. Zipse, Executive Vice President, College Gifted Programs, 544 Bloomfield Avenue, Verona, NJ 07044. (201) 857-2521. Academic camps offering credit and noncredit college courses in mathematics, science, computers, and humanities in cooperation with Thomas A. Edison State College for high ability students entering grades 3-12. Summer Institute for the Gifted at Bryn Mawr College, Bryn Mawr, PA. (Dates: July 28-August 17); Summer Institute for the Gifted at Blair Academy, Blairstown, NJ, (Dates: July 28-August 17); and Summer Institute for the Gifted at George School, Newton, PA (Dates: June 30-July 20). Costs: $1750. plus books and supplies. Limited financial aid. Application deadline: April 1, 1991.

DEANS' SUMMER COLLEGE AT RUTGERS-NEW BRUNSWICK. Muffin Lord, Associate Director, Deans' Summer College, 122 College Avenue, New Brunswick, NJ 08903. (908) 932-7564 or (800) HI-Rutgers. Commuter program for students entering grades 11 and 12 providing opportunity to take one or two introductory undergraduate courses for credit plus an optional library research course, introduction and access to university resources, and college admission and career exploration workshops. Dates: July 8-August 14, 1991. Tuition: $93. per credit (NJ residents), $188. per credit (out-of-state). Room & board: $790. College credit and financial aid available. Application deadline: May 1, 1991.

GIFTED CHILD SOCIETY, INC. Gina Ginsberg Riggs, Executive Director, Gifted Child Society, Inc., 190 Rock Road, Glen Rock, NJ 07452. (201) 444-6530. Summer Super Stars: a commuter program combining academics with recreation designed to meet special needs of academically gifted students entering grades pre-k through 8th. Dates: July 1-August 9. Cost: $1250. for six weeks all day. $75 per course. Financial aid and rolling admissions.

NEW JERSEY INSTITUTE OF TECHNOLOGY. Ms. Rosa Cano, Assistant to the Director, Pre-College Programs and Distance Learning, New Jersey Institute of Technology, Newark, NJ 07102. (201) 596-3424. Commuter programs offering lectures and discussions, seminars, field trips, problem-solving techniques, laboratory research, computer applications and career counseling in various fields of engineering including Introduction to Urban Engineering, four weeks in July covering urban planning, transportation, environmental science, energy supply for students completing grades 7 & 8; Introduction to Chemical Engineering for students entering grades 8 & 9; Females in Engineering: Methods, Motivation, and experience for females who have completed grades 7, 8, or 9. Three weeks in June-July. Free stipend and lunch. Application deadline: May 1, 1991. Also Urban Engineering for students entering grades 9, 10, 11; Chemical Industry Minorities in Engineering for students who have completed grade 10 or 11; Civil Engineering Summer Institute for male and female minority students who have completed grade 9 or 10.

STEVENS INSTITUTE OF TECHNOLOGY. Dr. Myron E. White, Professor of Pure and Applied Mathematics, Stevens Institute of Technology, Castle Point on the Hudson, Hoboken, NJ 07030. (201) 420-5434 or 5448. Exploration offers residential and commuter courses on computers, mathematics, and science, with self-paced, computer-assisted instruction for students entering grades 8-10. Dates: July 5-20 and July 24-August 10. Tuition: $450. Room and board: $420. Moving Ahead offers for-credit college courses in mathematics, science, and computers open to able students entering grades 11 & 12. Dates: June 19 to August 10. Tuition: $150. per week. Room and board: $140. per week. Need-based financial aid. Application deadline: June 1, 1990.

NEW YORK

CLARKSON SCHOOL BRIDGING YEAR. Donna A. Mills, Director of Admissions and Financial Aid, The Clarkson School, Price Hall, Clarkson University, Potsdam, NY 13699. (315) 268-4425. Program offering completion of senior year in high school and freshman year in college concurrently to highly able high school students. Dates: August 22-May 6. Tuition: approximately $11,500. Room and board: $4405. Application deadline: June 15, 1991.

THE DOBBS WRITER'S CONFERENCE. Peter Loune, Director, The Masters School, The Dobbs Writers Conference, Dobbs Ferry, NY 10522. (914)693-1400. Residential workshop in creative writing providing an introduction to professional writing and publishing for students entering grades 9 up to college freshman. Dates: July 7-20. Tuition: $850. Application deadline: May 1, 1991.

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THE GIFTED AND TALENTED DEVELOPMENT CENTER, INC. Mrs. Carole B. Berman, Director, Gifted and Talented Development Center, Inc., 15 Westway, Bronxville, NY 10708. (914) 779-6024. Challenge '91: commuter morning workshops located at Concordia College and designed to reflect the needs and interests of identified academically talented students in pre-k through grade 9 plus afternoon sports program. Dates: July 1-26, July 29-August 16. Costs: $500 per session (morning academic program), $400 per session (afternoon sports program). Application deadline: June 1991 (early application recommended).

ITHACA SUMMER PREP. Frank and Linda Slattery, Co-directors, Ithaca Summer Prep, 960 E. State Street, Ithaca, NY 14850. (607) 277-2161. Residential structured introduction to college located on campus of Ithaca College offering courses in over thirty areas (some offering Ithaca College credit) for students entering grades 9-12. Dates: June 30-August 10. Cost: $3000 comprehensive fee. Rolling admissions.

KEUKA COLLEGE MINDSTRETCHERS. Sally Wedge, Executive Director, Mindstretchers, Keuka College, Keuka Park, NY 14478-0098. (315) 536-4411 x277. Residential program in arts, academics, and athletics for academically motivated students ages 10-15. Dates: July 14-19 (10-12 yrs), July 21-26 (11-13 yrs), & July 28-August 4 (12-16 yrs). Costs: $300. (five days), $350. (seven days). Rolling admissions (apply early).

NEW YORK STATE SUMMER INSTITUTE FOR SCIENCE AND MATHEMATICS. Mary Daley, Administrator, NYS Summer Institute for Science and Mathematics, Rm 681, EBA, State Department of Education, Albany, NY 12208. (518) 474-8773. Residential science, mathematics, and research opportunities at selected sites across the state for students entering grades 9-12 based on previous academic experience in Regents science and mathematics courses. Dates: July-August. Tuition: $900.-$1500. Financial aid. Application deadline: April, 1991.

RENSSELAER POLYTECHNIC INSTITUTE SUMMER PROGRAM FOR HIGH SCHOOL STUDENTS. Catherine H. DeLorenzo, Assistant Dean of Admissions & Director, Summer Program for High School Students, Rensselaer Polytechnic Institute, Troy, NY 12180-3590. (518) 276-6216. Residential and commuter program offering college credit to able students who have completed grade 11 or 12. Dates: June 24-August 16 (two four-week sessions). Tuition: $455. per credit hour. Room and board: $160. per week. Financial aid. Application deadline: May 15, 1991.

ROSWELL PARK CANCER INSTITUTE SUMMER RESEARCH PARTICIPATION PROGRAM. Edwin A. Mirand, Ph.D., D.Sc., Research Participation and Program Director, Elm and Carlton Streets, Buffalo, NY 14263. (716) 845-2339. Experience in the process of science at a leading cancer research center while conducting a research project in molecular biology, immunology, biophysics, biochemistry, pharmacology or cell physiology for high school juniors (HJ) or college juniors (CJ). Dates: June 24-August 16 (HJ), June 10-August 16 (CJ). Room and board: $425-$475, activity fee $50. Financial aid (dependent upon grant funding). Application deadline: March 1, 1991.

SKIDMORE COLLEGE: PROGRAM TO ACCELERATE AT SKIDMORE IN THE SUMMER (PASS). Thomas P. Oles, Director, PASS, Skidmore College, Saratoga Springs, NY 12866. (518) 584-5000 ext. 2766. Residential and commuter program offering for-credit courses in mathematics, science, and the humanities to students who have completed grades 11 & 12. Dates: July 3-August 9. Tuition: $1575. Room & board: $1160. Financial aid available. Application deadline: June 15, 1991.

UNION COLLEGE GRADUATE AND CONTINUING STUDIES. Mr. Anthony S. Paino, Assistant Dean, Graduate & Continuing Studies, Union College, Wells House, One Union Avenue, Schenectady, NY 12309. (518) 370-6641. Summerskill, a commuter program for students entering grades 4-8, offers a wide variety of courses in science, mathematics and humanities with emphasis on problem-solving, experimental learning, and laboratory projects. Dates: second or third week in July. Costs: $225. (full day for one week), $425. (full day for two weeks). Application deadline: June 30, 1991. Summerhigh, a commuter program for students entering grades 9 and 10, involves a week-long investigation of one professional career area such as law, education, engineering, architecture or medicine. Dates: last week in July. Cost: $240. Application deadline: May 28, 1991

PENNSYLVANIA

CALIFORNIA UNIVERSITY OF PENNSYLVANIA: A SUMMER ACADEMY FOR GIFTED AND TALENTED CHILDREN. Stephen A. Pavlak, Ph.D., Director, Summer Academy, California University of Pennsylvania, California, PA 15419. (412) 938-4125. Residential program for students entering grades 4-9 offering Biology, Insect World, Geology, Space and Rocketry, Computers, Creative Writing, History, Theater and Leather Craft. Dates: July 7-13 & July 14-20. Cost: $245 per week. No financial aid. Application deadline: June 14, 1991.

COMMUNITY COLLEGE OF ALLEGHENY COUNTY MATHEMATICS SUMMER PROGRAM FOR GIFTED STUDENTS. Elizabeth Jo Dallas, Program Coordinator, Mathematics Summer Program for Gifted Students, Community College of Allegheny County, South Campus, 1750 Clairton Road, West Mifflin, PA 15122. (412) 469-6361. Commuter program offering fast-paced pre-calculus mathematics, including Algebra III for college credit, for students entering grades 8-11 with minimum SAT mathematics score of 490 or school recommendations. For current information on dates and fees contact above address.

EDINBORO UNIVERSITY OF PENNSYLVANIA. Ted Atkinson, Director, Edinboro Summer Academy, 102 Doucette Hall, Edinboro University of Pennsylvania, Edinboro, PA 16444. (814) 732-2884. Edinboro Summer Academy: a residential program offering 36 enrichment experiences for able and creative students ages 9-16 years. Dates: July 7-13 (9-12 years) & July 14-20 (12-16 years). Total cost: $280. Application deadline: May 1, 1991.

FRANKLIN AND MARSHALL COLLEGE GIFTED STUDENTS PROGRAM. Page W. Steele, Director, P.O. Box 3003, Lancaster, PA 17604-3003. (717) 291-4166. Commuter program offering seminars in science, mathematics, and humanities on Saturdays during the academic year for able students entering grades 7-10. Tuition: $115. per course. Financial aid. Application deadline to be announced.

LEBANON VALLEY COLLEGE YOUTH SCHOLARS INSTITUTE. Dale J. Erskine, Ph.D. Director, Youth Scholars Institute, 101 North College Avenue, Annville, PA 17003-0501. (717) 867-6213. Two one-week sessions in Actuarial Science, Biology, Chemistry, Education, English, German, Political Science, Advertising and Promotion, Hotel Management, International Business, Personality and Decision Making, Math and Computer Science, Physics, Psychology, Psychobiology, Sociology, and Sound Recording for high school sophomores and juniors nominated by their high school. Application deadline: April 15, 1991.

PENNSYLVANIA GOVERNOR'S SCHOOL FOR THE SCIENCES. Dr. Albert A. Caretto, Professor of Chemistry & Director, Pennsylvania Governor's School for the Sciences, Doherty Hall 2201, Carnegie Mellon University, Pittsburgh, PA 15213. (412) 268-6669. Molecular Biology, Organic Chemistry, Modern Physics, Discrete Mathematics, and Computer Science for Pennsylvania students entering grade 12 who apply through their high schools and are selected by the Pennsylvania Department of Education. Full scholarship for all selected students. Application deadline: February 15, 1991.

SAINT VINCENT COLLEGE CHALLENGE. Ms. Marie Miltenberger, Director, Challenge Program, Saint Vincent College, Latrobe, PA 15650-2690. (412) 537-4569. Residential and commuter program for gifted and talented students who wish to explore new academic areas. Dates: July 7-12 (grades 6-8), July 21-26 (grades 9-12). Tuition: $245. Room and board: $130. Financial aid available. Application deadline June 10,1991.

UNIVERSITY OF PENNSYLVANIA DISCOVERY PROGRAM. Susan Z. Duggan, Director, DISCOVERY Program at Penn, University of Pennsylvania, 230 Logan Hall, Philadelphia, PA 19104-6386. (215) 898-6763. Commuter one or two-week, full-or half-day workshops in mathematics, the sciences, and humanities for students entering kindergarten through grade 12. Dates: June 24-August 16. Cost: $125 per half-day week. Limited financial aid. Application deadline: one week prior to first session.

SUMMIT. Peggy Czupryn, Summit Coordinator. Division of Continuing Studies, Pittsburg State University, Pittsburg PA 66762. (316) 235-4179. Provides intellectually gifted students entering grades 6-12 practical experience and academic exploration through research and science projects, discussion groups, field trips. Dates: June 9-21. Tuition: $550. Merit- and need-based financial aid. Application deadline: May 1, 1991.

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RHODE ISLAND

GOVERNOR'S SUMMER PROGRAM IN SCIENCE AND MATHEMATICS. Commuter program sponsored by the Rhode Island Department of Higher Education for highly able Rhode Island students entering grades 11 or 12. At Rhode Island College, Robert Viens, Associate Professor of Physical Science, 600 Mt. Pleasant Avenue, Providence, R.I. 02908 (401) 865-2239. Optical Investigations in Physics, Chemical Investigations, Microscopic Investigations in Biology, Enrichment Topics in Mathematics/Computer Science. At Providence College, Robert Krasner, Professor of Biology, Providence College, River Avenue, Providence, RI 02918 (401) 865-2239. Contemporary Topics in Biology, Contemporary Topics in Mathematics, Astronomy for the Inquiring Mind, and Computer Programming with Pascal. No tuition (small stipend for transportation available). Dates: June 26-July 20. Application deadline: April 5, 1991.

PROVIDENCE COLLEGE SUMMER SCIENCE PROGRAM. Dr. Robert I. Krasner, Director, Summer Science Program, Providence College, River Avenue, Providence, RI 02918. (401) 865-2239. Commuter summer science training program in Environmental Biology and Biological Computer Simulation for students entering grades 10-12. Dates: June 17-July 25, 1991. Tuition: $200. Financial aid. Application deadline: April 5, 1991 for first consideration.

ST. GEORGE'S SCHOOL GERONIMO MARINE SCIENCE PROGRAM. Mrs. Betsy Leslie, Associate Director of Admission, St. George's School, Newport, RI 02840. (401) 847-7565. Residential program at sea aboard school-owned research vessel offering introductory course in ichthyology, concentrating on shark and turtle biology and field research in study of these species. Costs: $3100 (4 week summer cruise), $4000 (6 week school year cruise). Application deadline: February 25, 1991.

VERMONT

BENNINGTON JULY PROGRAM. Sherri Alper, MSS LCSW, Director, Bennington July Program, Bennington College, Bennington, VT 05201. (802) 442-5401. Commuter and residential intensive, pre-college courses offered in 29 subjects including performing arts, visual arts, writing, literature, languages, science, and mathematics for able students entering grades 11 & 12. Dates: June 29-July 27. Tuition: $1550. Room & board: $800. Financial aid. Rolling admissions.

VIRGINIA

CENTER FOR EXCELLENCE IN EDUCATION RESEARCH SCIENCE INSTITUTE. Mrs. Medi K. Hoover, Director of Programs, Center for Excellence in Education, 7710 Old Springhouse Road, McLean, VA 22102. (703) 448-9062. National six-week residential program at George Washington University in Washington, DC, for selected students who have completed high school through the third level. Classroom lectures, tutoring, off-campus internships in scientific research in which participants are matched with leading scientists at academic institutions, federal agencies, and private corporations. Dates: June 23 - August 3. No cost. Application deadline: February 1, 1991.

HOLLINSCIENCE PRE-COLLEGE PROGRAM. Rebekah Woodie, Director, PO Box 9694, Office of Special Programs, Hollins College, Roanoke, VA 24020. (703) 362-6301. Courses in Astronomy, Physics, Biology, Biochemistry, Mathematics, and Computer Science for young minority women. Dates: July 21-August 3. No costs other than transportation and spending money. Application deadline: June 4, 1991.

MARY BALDWIN COLLEGE PROGRAM FOR THE EXCEPTIONALLY GIFTED (PEG). Allison Young, Assistant Director for Program Advancement, PEG, Mary Baldwin College, Staunton, VA 24401. (703) 887-7039. Residential program for gifted high school age girls wishing to begin their college education one to four years ahead of their peers in a program designed to meet the social, emotional, and academic needs of gifted girls. Tuition: $9050. Room & board: $6175. Financial aid available. Rolling admissions.

UNIVERSITY OF VIRGINIA SUMMER ENRICHMENT PROGRAM. Darci Lieb, Director, Summer Enrichment Program, University of Virginia, School of Education, 260 Ruffner Hall, Charlottesville, VA 22903. (804) 924-3182. Residential program for highly able students entering grades 5-11 offering develop problem-solving, critical examination and evaluation skills through investigations in science, social studies, mathematics, or arts and humanities for younger students and the acquisition and practice of research skills within advanced topic areas for older students. Dates: June 23-July 5, July 7-19, July 21-August 2. Total cost: $590. Financial aid. Application deadline: March 1, 1991.

VIRGINIA GOVERNOR'S SCHOOL. Virginia Department of Education, Box 6Q, Richmond, VA 23216-2060. (804) 225-2070. Commuter and residential, summer and academic year programs at locations across the state offering such subjects as science, mathematics, interdisciplinary studies, language arts, and foreign languages to elementary, intermediate, and secondary school students identified as gifted under the state plan. Some college credit courses available. No cost. Application deadlines vary. For more information contact VA Department of Education at the above address.

WASHINGTON AND LEE UNIVERSITY SUMMER SCHOLARS '91. Washington and Lee University, Special Programs, Lexington, VA 24450. Four-week coed program for high school seniors designed to give college-bound students a sample of college life, to stimulate their intellectual curiosity, and to help prepare them to meet the academic and social challenges of college. Dates: July 7-August 2. Tuition: $1650. No college credit. Application deadline: April 15, 1991.

WOODBERRY FOREST SUMMER SCHOOL. Dennis G. Manning, Director, Woodberry Forest Summer School, Woodberry Forest, VA 22989. (703) 672-6050. Residential and commuter fast-paced mathematics for students entering grades 8-12 who have scored at least 500 SAT-M plus 900 combined SAT-M and SAT-V. Also classes in science and humanities for students wishing to accelerate their high school curriculum. Dates: June 23-August 3. Total cost: $2500. Limited financial aid. Application deadline: June 1, 1991.

WEST VIRGINIA

WESLEYAN SUMMER GIFTED PROGRAM. Dr. Joseph E. Wiest, Professor of Physics and Engineering and Co-director, WSGP, Box 89, West Virginia Wesleyan College, Buckhannon, West Virginia 26201. (304) 473-8062 or (304) 473-8000. Residential, fast-paced, accelerated courses in physics, mathematics, computer science, creative writing, and Russian history for Talent Search eligible students completing grades 7 and 8. Dates: July 7-20. Tuition: $315. Room and board: $235. Application deadline: May 10, 1991.

This information was excerpted from a CTY Advising and Advocacy Service publication. The complete publication (listing programs in the entire United States plus a few foreign study opportunities) and other publications related to the education of highly able youth are available at a nominal charge. For an order form, write CTY Advising and Advocacy Service, The Johns Hopkins University, 3400 North Charles Street, Baltimore, MD 21218 or call 301-338-8427.

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